REMARKS

Applicants request entry of the present amendments which conform the claims to U.S. practice. No new matter is being introduced by this Amendment as antecedent support is set forth in the original specification and in the original claims.

Prosecution on the merits is respectfully requested.

The Examiner is invited to contact Applicants' Attorneys at the below-listed telephone number regarding this Preliminary Amendment or otherwise regarding the present application.

If there are any charges with respect to this Amendment or otherwise, please charge them to Deposit Account No. 06-1130 maintained by Applicants' attorneys.

Respectfully submitted,

KLAUS WILBUER, ET AL.

CANTOR COLBURN LLP
Applicants' Attorneys

By: _____
Daniel F. Drexler
Registration No. 47,535
Customer No. 23413

Date: 25 May 2001
Address: 55 Griffin Road South, Bloomfield, CT 06002
Telephone: 860-286-2929

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION

A marked up version of the original title is as follows:

[Coating Consisting of a Synthetic Film, Process and Device for Producing the Same] COATING MADE OF A SYNTHETIC FILM, PROCESS AND DEVICE FOR PRODUCING THE SAME.

IN THE CLAIMS

Claims 1-44 are amended herein as follows:

1. (Amended/Marked Up) A coating made of a film [(2)] formed on the basis of at least one polymer material that [contains] includes at least one property-changing component embedded in [the] a matrix of the polymer material, [characterized by the fact that] the film [(2) is made up of] comprising several layer-like areas, at least one of which contains the property-changing component.

2. (Amended/Marked Up) The coating in Claim 1, [characterized by the fact that] wherein the individual layer-like areas are different in terms of the embedded, property-changing components and/or the polymer material used.

3. (Amended/Marked Up) The coating in [one of Claims 1 and 2, characterized by the fact that the] Claim 1, wherein a concentration of the property-changing components embedded in [a] layer-like areas varies in [the] a direction of [the] layer thickness.

4. (Amended/Marked Up) The coating in [one of Claims 1 to 3, characterized by the fact that] Claim 1, wherein the individual layer-like areas are arranged one over the other following [the] surface contours of [the] a basic material [(1)].

5. (Amended/Marked Up) The coating in [one of Claims 1 to 3, characterized by the fact that the] Claim 1, wherein individual layer-like areas are arranged next to one another following [the] surface contours of [the] a basic material [(1)], whereby [the] a dividing line extending between each two [different] individual layer-like areas runs crosswise to the surface contour of the basic material [(1)].

6. (Amended/Marked Up) A coating, [consisting of] comprising a synthetic film formed on the basis of at least one polymer material and an additive embedded in [the] a matrix of the polymer material, [characterized by the fact that] wherein the additive contains magnetizable particles.

7. (Amended/Marked Up) The coating in Claim 6, [characterized by the fact that] wherein the additive contains chromium dioxide as magnetizable particles.

8. (Amended/Marked Up) The coating in Claim 6[or 7, characterized by the fact that] wherein the additive contains property-changing components.

9. (Amended/Marked Up) The coating in Claims 6[to 8, characterized by the fact that] wherein the film is composed of several layer-like areas.

10. (Amended/Marked Up) The coating in Claim 9, [characterized by the fact that the] wherein individual layer-like areas are different in terms of the embedded additive and/or the polymer material used.

11. (Amended/Marked Up) The coating in Claim 10, [characterized by the fact that the] wherein a concentration of embedded additive varies within [a] the individual layer-like areas.

12. (Amended/Marked Up) The coating [in at least one of the preceding Claims, characterized by the fact that it has] of Claim 6, further comprising a surface [that is made up of] including layer areas lying in different planes.

13. (Amended/Marked Up) The coating in Claim 12, [characterized by the fact that] wherein layer areas include upper layers and lower layers and wherein at least portions of lower layers[, at least in areas,] are exposed by stripping upper layers or covering lower layers when applying upper layers.

14. (Amended/Marked Up) The coating [in at least one of the preceding claims, characterized by the fact that the] of Claim 6, further comprising a surface which is structured.

15. (Amended/Marked Up) A process for producing a coating, in which at least one polymer material, plus at least one property-changing component, is applied to [the] a surface of a basic material to be coated and is crosslinked by then adding energy, [characterized by the fact that] wherein the polymer material is applied forming layer-like areas depending on the property-changing component mixed in.

16. (Amended/Marked Up) The process in Claim 15, [characterized by the fact that] wherein the polymer material is blended with the property-changing component in one step and is applied to the surface to be coated.

17. (Amended/Marked Up) The process in Claim 15, [characterized by the fact that] wherein the property-changing component is added to the polymer material before it is applied to the surface to be coated.

18. (Amended/Marked Up) The process in [one of Claims 15 to 17, characterized by the fact that] Claim 15, wherein the polymer material is applied in liquid form.

19. (Amended/Marked Up) The process in [one of Claims 15 to 18, characterized by the fact that] Claim 15, wherein a combination of different polymer materials is used as the matrix material.

20. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 15, wherein the crosslinking is done using an electrostatic field.

21. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 15, wherein the crosslinking is done using wavelength-specific radiation.

22. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 15, wherein the layer-like areas are made with different layer thicknesses.

23. (Amended/Marked Up) [The] A process for [the production of] producing a coating, in which [the] a polymer material is applied to [the] a surface being coated and is then polymerized by [the] effect of energy, [characterized by the fact that] wherein an additive containing magnetizable particles is mixed into the polymer material to create a synthetic film that can be magnetized, at least in areas.

24. (Amended/Marked Up) The process in Claim 23, [characterized by the fact that] wherein the polymer material and the additive are applied in powder form.

25. (Amended/Marked Up) The process in [one of Claims 23 to 24, characterized by the fact that] Claim 23 wherein the polymer material is applied in liquid form.

26. (Amended/Marked Up) The process in [at least one of the preceding claims, characterized by the fact that] Claim 15 wherein by predetermining the layer thickness desired and knowing [the] an amount to be applied and [the] a time, the exact amount to be applied can be controlled with a path-time controller to achieve the predetermined layer thickness.

27. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 26 wherein the thickness of the layers is measured without contact.

28. (Amended/Marked Up) The process in Claim 27, [characterized by the fact that] wherein the measurement of layer thickness is done using ultrasound.

29. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 23 wherein the coating is done in such a way that no crosslinking takes place and [by the fact that] wherein if a mistake is made, the layer applied is removed and the workpiece is recoated.

30. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 15 wherein upper layers are stripped away to expose lower layers.

31. (Amended/Marked Up) The process in [one of the preceding claims, characterized by the fact that] Claim 15 wherein the surface is structured.

32. (Amended/Marked Up) The process in Claim 31, [characterized by the fact that] wherein the structuring is done before crosslinking, in any case before [the] final solidification during polymerization.

33. (Amended/Marked Up) A device for producing a coating with an arrangement applying [the] a polymer material to [the] a surface being coated, [characterized by the fact that] wherein a feed device is provided which mixes property-changing components with the polymer material.

34. (Amended/Marked Up) The device in Claim 33, [characterized by the fact that] wherein the feed device mixes the property-changing components with the

polymer material synchronously with [its application] said applying the polymer material to the surface being coated.

35. (Amended/Marked Up) The device in Claim 33, [characterized by the fact that] wherein the feed device mixes the property-changing components with the polymer material before [it] the polymer material is applied to the surface being coated.

36. (Amended/Marked Up) The device in [one of Claims 33 to 35, characterized by the fact that] Claim 33, wherein a control device is provided that has a measurement device and detects [the] a type and amount of feed of property-changing components and gives off a signal corresponding to the type and/or the amount, and that compares this signal with a predetermined reference variable and if [they] the signal and the reference variable are the same ends the feed.

37. (Amended/Marked Up) The device in [one of Claims 33 to 36, characterized by the fact that] Claim 33, wherein a feed device is provided which mixes the polymer material with an additive containing magnetizable particles.

38. (Amended/Marked Up) The device in [one of Claims 33 to 37, characterized by the fact that] Claim 33, wherein a magnetizing device is provided which selectively magnetizes magnetizable particles embedded in [the] a matrix of the polymer material.

39. (Amended/Marked Up) The device in [one of the preceding claims, characterized by the fact that it has] in Claim 33, further comprising a control system for path-time control.

40. (Amended/Marked Up) The device in [one of the preceding claims, characterized by the fact that it has] Claim 33, further comprising a device for measuring thickness without contact.

41. (Amended/Marked Up) The device in Claim 40, [characterized by the fact that it is] wherein the device for measuring thickness without contact is an ultrasound thickness measurement device.

42. (Amended/Marked Up) The device in [one of the preceding claims, characterized by the fact that it has] Claim 33, further comprising a unit for blowing off a coating that is applied.

43. (Amended/Marked Up) The device in [one of the preceding claims, characterized by the fact that it has] Claim 33, further comprising a unit for stripping off upper layers and exposing lower layers.

44. (Amended/Marked Up) The device in [one of the preceding claims, characterized by the fact that it has] Claim 33, further comprising a unit for structuring [the] a surface of the coating.